

0500

OIPE

RAW SEQUENCE LISTING DATE: 03/06/2001
 PATENT APPLICATION: US/09/684,016 TIME: 13:02:59

Input Set : D:\Unigene20000612.txt
 Output Set: N:\CRF3\03062001\I684016.raw

P.S

ENTERED

1 <110> APPLICANT: Kovalic, David K.
 2 Liu, Jingdong
 4 <120> TITLE OF INVENTION: Annotated Plant Genes
 6 <130> FILE REFERENCE: 38-21(15097)D
 C--> 8 <140> CURRENT APPLICATION NUMBER: US/09/684,016
 C--> 8 <141> CURRENT FILING DATE: 2000-10-10
 8 <150> PRIOR APPLICATION NUMBER: US 09/654,617
 10 <151> PRIOR FILING DATE: 2000-09-05
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 16 <212> TYPE: DNA
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 19 <220> FEATURE:
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 21 <222> LOCATION: (1)..(854)
 22 <223> OTHER INFORMATION: unsure at all n locations
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 30 cacatccaag cgcaccttcg agcaggcgca gtcgctcggc atcccgcctc ccacgctcga 180
 32 cgacaacccg ctcatcgacc tcgccatcga cgggtccgac gaggtttgac cctgacctca 240
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 36 acaagtttat tgttattggt gacgagacaa aactagttaga tgggttagga ggtagtggc 360
 38 tagccatgcc agtggaaagt gtgcagttct gctggaagta caaccttgta agattgcagg 420
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 44 tggcagcagg acaggaaatt gcagctctgg aaggagttgt tgacctggg ttgttcttga 600
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 48 tttttgagtt gctttgttgt ttgtgttag ttttacaatt taatgtacaa gctattggtg 720
 50 taaaagcagc tgataagatg cttcaataaa ggtgttcccc caatgtgggg attgactatc 780
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 59 <212> TYPE: DNA
 60 <213> ORGANISM: Glycine max
 62 <400> SEQUENCE: 2
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 68 ctctcagttc cctctttccc tatcaaaaacc ctttcccaca acactactca ctccagtaca 180
 70 agaaaccctt tttcaatttg gtttcaacag cacacacaca cacacatata tatatatata 240
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86 aggcagcagc agaagctgcc caggttttca gaccagatca aaccttaaaa aatgctaata 720
88 caaggcagga gtgtgtggag gcggtggcgg tggcgggtgg ggagacaaca acggcgacgg 780
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94 tggatgcccc aqatgctgaq gtgtcactat ggaatttctc aatttaataa tgtgttttgg 960
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98 gtacggatac tagttatagg tggaagatt gcgagggacc aaaaggaatt ttcttttgaa 1080
100 cccttttttg tcaatgtaat caatatcacg tatatcatga agtgaatccc ttcaagttta 1140
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110 <213> ORGANISM: Glycine max

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118 cgctgactcg acgtggcggg taccaattcc cgccactgct aacgcaagg atatacagaa 180
120 agcagcagca gaggtgcggc aggtcttcag accaagtccg accttagaaa atacgaatac 240
122 aaagcaagg tgtgtaaaag tggtagcagc aacaacgac acagaacaaa aacgaggaat 300
124 gttttatagc gaggaagaag agcaagtgtt agatatgcct gagttgctta ggaatatggt 360
126 gcttatgtcc ccaacacatt gcataaggta tgagtatgaa gatgctgact tggatgctca 420
128 agatgctgag gtgtccctat ggagtttctc aatttaataa cgtgcttttg gtttggtttt 480
130 ttatgttagt ttggagtggt gactgtctgt actgggtttt tattagtagt acggatacta 540
132 gctataggta gcagattgaa agggaccaaa aggaatttct ttttgaacc ctttttgta 600
134 aagtaataca tcgcgtatca tcaagtgaat cccttgatca agtttatgta tgaattaaat 660
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147 <223> OTHER INFORMATION: unsure at all n locations

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155 ttccctatc aaaacccttt ccacacacac tactcaactc agtagtaca gcaaacctt 180
157 ctaacttttg cttcagcggc acatatatat atatatatat atagaacatg tataccttga 240
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163 tgaggcaccg gaagaagcgg gccggggcga agaagttccg ggagacgcgc caccgggtgt 420
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Input Set : D:\Unigene20000612.txt

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183 cagaagcattc ttattcgtct gaaacaagga gcacccctct agacgaagaa gtgattctag 180
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189 acaacaactc acgattttgg ctggggacat acccaacgcc cgaatggcc gcacgtgcgc 360
191 acgacgttgc ggcgctcgc ctcaggggaa agtcgcgtg cctcaacttc gcggaactca 420
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201 caagagatgg tagggactgg aatgacgtgg acatatttga tgatgatgaa atctcactat 720
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225 caagacggtg taccttgttg acaagctcac gcgcgacaac cgcattctac acaaggcctg 180
227 ctcccgctgc caccactgca agggcaccct caagctcgcc aactacaact ccttcgaggg 240
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239 gtactgcaag caccaccaca tccagctgat caaggagaag gggaaactta gccagcttga 600
241 gaatgaccac gagaagacat cacaggttgg gtcactggag gaggatgaac aagagtattg 660
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263 agtgggtggg ttgtgagaac aagaggagtg cagcttatgc tgaatgggag cccctactat 180

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269 gctttcagtg atggttgata tcaaccacta caatactctc ctggatctta caattaccaa 360
271 atgtttcagg gcttggtatt cgcaatagcc gaagcaagaa aatatgggat caagatggtg 420
273 ttgagtttgg tgaataacta tgagaacatg ggtggaaaaga aacagtatgt ggaatgggca 480
275 aggagtcagg gacagtccat aaattctgag gatgactttt ttacaaaatt cggctcgagg 540
277 ggatactaca aaaaccacat caaggtctga cttacaagac gtaatagcat cactggagtt 600
279 gcttacaaag acgacccaac tataatggct tgggaactta tgaatgagat taggtgccct 660
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291 acccttcaca agccactttc atttgcggag tttggtattt ccacaaagag ttatggtggc 1020
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311 tcatctacac tattatgtcg gcaagtgaat gtactttgtc taaactgttt ataaaatgga 1620
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329 caacacggta tattcagcaa tatactcacc agcaagcagt ggcggggctg ctgttggtgg 180
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337 tagaggtatga aactgaatat atatatatat atatagagag agagagagag agagaagggt 420
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349 cctgtcagct tcttgaacac catcggtgtt tgcctatgac acattttctc ctatcttggc 780
351 attcttgcg attatgcaat tcctgatttt agtatttgc ccgacacca ttggaacctt 840
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357 ttgaacgctg cactcctca agaagcaacc atgagatata attgcatcca caatcttgcg 1020
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365 cacagcagat gggataatth cagatccaaa gtcattgcat gaagaacatt tccatcttaa 1260
367 tagttgcagc aaggtttcag ttctaaacac gtagacaccc atggatgcaa tataaggatg 1320
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371 atctgatecc ttagggtttt ctgcaactg tataatecgt cctgtcttat caattttcat 1440
373 cagtccatag tctgatgccc gactgtcatc catgggtaca catgaaactg tgatatacgc 1500
375 atttgtgtca acatgtctct gtacaaagtt catgtagtcc attcggtaaa gatgatcacc 1560
377 agaaagtatc aatatatgct caacattctt gttcttggca tcccaaaaaa cccatataaa 1620
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415 ttacctaca atcaaggaca gaatctatgc aattttaaag ccaacaacgt tgagagaagc 180
417 caagtgtgaa gacagacagt gagaatgat gatgaagcgt cgggttcttt tggttctctt 240
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427 tgatggttga tatcaacccc tacaatactc tcttgatcc tacaatgacc aaatgtttca 540
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445 ctttatttga agttctgatg gctgtgcgat cattctctta cgatgtgttc ctcagcttcc 180
447 gaggggaaga tactcgttat ggtttcactg gctatctcta caatgtcctt cgggnaagg 240
449 gaattcacac cttcattgat gacgacgagc cccaggaagg ggacgaaac acgacagcac 300
451 ttgaggaggc tattgayaag tccaagattt tcatcatcgt gctctctgaa aactacgc 360

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FJI

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

DATE: 03/06/2001

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Input Set : D:\Unigene20000612.txt

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L:8 M:270 C: Current Application Number differs, Replaced Current Application No
L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:1266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:1268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:1270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:1453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:1778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
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L:1782 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
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L:2949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70
L:3286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78
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L:3331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79
L:4094 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:4151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96
L:4994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112
L:4996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112
L:5459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123
L:5461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123
L:5654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127
L:5755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130
L:5757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130
L:6154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:139
L:6397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144
L:6403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144
L:7218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:162
L:7361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165
L:7776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:173
L:7877 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175
L:7879 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175
L:7881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175
L:7928 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176
L:7930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176
L:7932 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176
L:7977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177
L:8508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:185

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/684,016

DATE: 03/06/2001
TIME: 13:03:00

Input Set : D:\Unigene20000612.txt
Output Set: N:\CRF3\03062001\I684016.raw

L:8510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:185
L:8603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:187
L:8605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:187
L:8768 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:192